

ABSTRACT

An optical information recording device includes a linear velocity setting circuit for setting a first linear velocity v_1 and a second linear velocity v_2 higher than the first linear velocity v_1 for an optical information recording medium, a recording pulse generation circuit for generating a recording pulse signal, depending on the setting by the linear velocity setting circuit, and a laser drive circuit for irradiating the medium with the laser light based on the recording pulse signal generated by the recording pulse generation circuit. The laser drive circuit controls a power level of the laser light so that $P_{bt1} \leq P_{e1}$ and $P_{e2} < P_{bt2} \leq P_{wa2}$, where P_{bt1} represents a first inter-pulse power level indicating a power level between recording pulses for the first linear velocity v_1 , P_{bt2} represents a second inter-pulse power level indicating a power level between the recording pulses for the second linear velocity v_2 , P_{wa2} represents a recording power level indicating a power level of the recording power for the second linear velocity v_2 , P_{e1} represents a first erase power level indicating a power level of the erase power for the first linear velocity v_1 , and P_{e2} represents a second erase power level indicating a power level of the erase power for the second linear velocity v_2 .